# SPECIFICATION SHEET

**P5NG GLASS DOOR MEDIUM TEMPERATURE MERCHANDISERS**

## Refrigeration Data:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CASE LENGTH</th>
<th>CASE USAGE</th>
<th>DOOR TYPE</th>
<th>CAPACITY (BTUH / DR)</th>
<th>EVAPORATOR (°F)</th>
<th>UNIT SIZING (°F)</th>
<th>DISCHARGE AIR TEMP (°F)</th>
<th>VELOCITY (FPM)</th>
<th>AVG. REF. CHARGE (LBS/DR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P5NG</td>
<td>ALL</td>
<td>MED TEMP</td>
<td>ANTHONY 101</td>
<td>864*</td>
<td>+27**</td>
<td>+25</td>
<td>+34</td>
<td>290</td>
<td>0.92***</td>
</tr>
</tbody>
</table>

**NOTES:**
- * Capacity data listed is for cases with ECM fan motors and T-8 electronic vertical lighting (Prism). Lights remain on during defrost.
- ** Evaporator temperature is based on the saturated pressure leaving the case.
- *** This is an average refrigeration charge per door based on R-22 and R-404A refrigerant usage.

See Capacity Adjustments below:
- ADD 90 Btuh/Dr for cases using standard fan motors.
- ADD 500 Btuh per glass end for medium temperature cases.
- DEDUCT 215 Btuh/Dr for cases using LED lighting that is ON 24 hours a day.

FOR SPECIFIC COMPRESSOR SIZING INFORMATION, REFER TO TYLER APPLICATIONS FOR RACK SYSTEM COMPRESSORS AND/OR THE COMPRESSOR MANUFACTURERS FOR SINGLE COMPRESSORS. FOR LINE SIZING INFORMATION, REFER TO THE MISCELLANEOUS SECTION "BUFF" IN THE TYLER SPECIFICATION GUIDE.

## Electrical Data:

**Fans and T-8 Lighting with Electronic Ballasts or LED Lighting with Electronic Drivers (120 Volt) (ANTHONY)**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NO. OF DOORS</th>
<th>FANS / CASE</th>
<th>TOTAL FOR STANDARD FANS</th>
<th>TOTAL FOR ECM FANS</th>
<th>VERTICAL T-8 (58-WATT)</th>
<th>LED LIGHTING</th>
<th>OPTI MAX</th>
<th>GEL CORE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>AMPS</td>
<td>WATTS</td>
<td>AMPS</td>
<td>WATTS</td>
<td>AMPS</td>
<td>WATTS</td>
</tr>
<tr>
<td>P5NG</td>
<td>2</td>
<td>1</td>
<td>1.06</td>
<td>96.0</td>
<td>0.64</td>
<td>34.0</td>
<td>1.45</td>
<td>174.0</td>
</tr>
<tr>
<td>P5NG</td>
<td>3</td>
<td>3</td>
<td>1.59</td>
<td>144.0</td>
<td>0.96</td>
<td>51.0</td>
<td>1.94</td>
<td>233.0</td>
</tr>
<tr>
<td>P5NG</td>
<td>4</td>
<td>4</td>
<td>2.12</td>
<td>192.0</td>
<td>1.28</td>
<td>68.0</td>
<td>2.42</td>
<td>290.0</td>
</tr>
<tr>
<td>P5NG</td>
<td>5</td>
<td>5</td>
<td>2.65</td>
<td>240.0</td>
<td>1.60</td>
<td>85.0</td>
<td>2.91</td>
<td>349.0</td>
</tr>
</tbody>
</table>

**Heaters (120 Volt) (ANTHONY)**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NO. OF DOORS</th>
<th>T-8 MAIN FRAME**</th>
<th>LED MAIN FRAME</th>
<th>ANTHONY 101*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>AMPS</td>
<td>WATTS</td>
<td>AMPS</td>
</tr>
<tr>
<td>P5NG</td>
<td>2</td>
<td>0.23</td>
<td>28.0</td>
<td>0.28</td>
</tr>
<tr>
<td>P5NG</td>
<td>3</td>
<td>0.37</td>
<td>44.0</td>
<td>0.42</td>
</tr>
<tr>
<td>P5NG</td>
<td>4</td>
<td>0.47</td>
<td>56.0</td>
<td>0.57</td>
</tr>
<tr>
<td>P5NG</td>
<td>5</td>
<td>0.59</td>
<td>70.0</td>
<td>0.71</td>
</tr>
</tbody>
</table>

* Only door anti-sweat heaters are cyclable.
** If fans and main frame anti-sweats share the same power supply, make sure to add the electrical usages when sizing the electrical circuits.

Please note this is not a recommended practice.

## Defrost Data:

<table>
<thead>
<tr>
<th>DEFROST TYPE</th>
<th>DEFROSTS PER DAY</th>
<th>DURATION TIME (MIN)</th>
<th>TERMINATION TEMP. (°F)</th>
<th>EPR SETTINGS*</th>
<th>DEFROST WATER (LB / DR / DAY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIME OFF</td>
<td>1</td>
<td>34</td>
<td>-----</td>
<td>51.2</td>
<td>65.1</td>
</tr>
</tbody>
</table>

* Set EPR to give this pressure at the case.

**CASE CIRCUITS:** This case requires a separate 120V circuit for fans, lights and anti-sweats. The anti-sweat circuit feeds power to both the cyclable and non-cyclable heaters.

**UL SANITATION** approved in accordance with ANSI/NSF – 7.

**CASE BTUH REQUIREMENTS** are calculated to produce approximately the indicated entering-air temperature with absolute maximum operating ambient limits of 75°F & 55RH.

The information contained herein is based on technical analysis and/or tests performed in a controlled lab environment that are consistent with industry practices, and is intended as a reference for system sizing and configuration purposes only and for use by persons having technical skill at their own discretion and risk.

Conditions of use are outside of Tyler’s control and we do not assume and hereby disclaim any liability for results obtained or damages incurred through application of or reliance on the data presented, including but not limited to specific energy consumption with any particular model or installed application.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
P5NG CROSS SECTION

22” or 27” Shelves

63-3/4” (Front)
63” (Rear)

29” Tray Depth

15-11/16” Front of Tray to Floor

33-9/16” Base

45-9/16” Overall Depth

6-13/16” Center of Bumper to Floor

FLOOR PLAN

A 3” SPACE between the back of this case and the store wall, is provided with the case structure to minimize possible condensation problems. FORCED VENTILATION may be necessary in some situations.

2 DR = 61-5/16”
3 DR = 92”
4 DR = 122 6/8”
5 DR = 163 5/16”

Add 1” for Insulated Partition
Add 1-1/2” for Standard Patch End

NOTE: Optional factory installed top piping is available in top right rear corner of case.

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